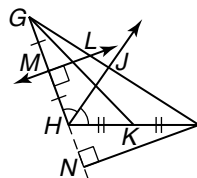


5 Chapter 5 Test, Form 2D

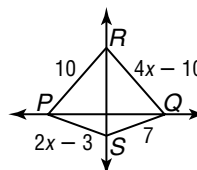
SCORE _____

1. Name a perpendicular bisector.



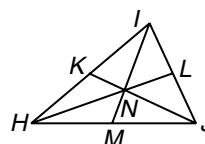
1. _____

2. The perimeter of
- $PRQS$
- is 34. Find
- x
- . Then describe the relationship between
- \overleftrightarrow{RS}
- and
- \overleftrightarrow{PQ}
- .



2. _____

3. If point
- N
- is the centroid of
- $\triangle HIJ$
- ,
- $IM = 18$
- ,
- $KN = 4$
- , and
- $HL = 15$
- , find
- JN
- .

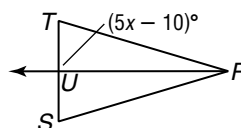


3. _____

4. If
- $\triangle DEF$
- has vertices at
- $D(4, 12)$
- ,
- $E(14, 6)$
- , and
- $F(-6, 2)$
- , find the coordinates of the circumcenter of
- $\triangle DEF$
- .

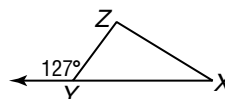
4. _____

5. If
- \overleftrightarrow{RU}
- is an altitude for
- $\triangle RST$
- , find
- x
- .



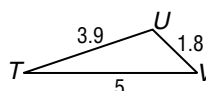
5. _____

6. Write a compound inequality for the possible measures of
- $\angle X$
- .



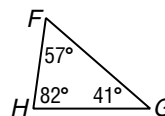
6. _____

7. List the angles of
- $\triangle TUV$
- in order from least to greatest measure.



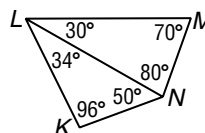
7. _____

8. List the sides of
- $\triangle FGH$
- in order from shortest to longest.



8. _____

9. Name the longest segment.



9. _____

10. Write the assumption you would make to start an indirect proof of the statement
- If n is an even number, then n^2 is an even number.*

10. _____

11. Write the assumption you would make to start an indirect proof of the statement
- If \overleftrightarrow{AD} is an angle bisector of equilateral triangle ABC , then \overleftrightarrow{AD} is an altitude.*

11. _____